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## PATENT SPECIFICATION

754,481



Date of Application and filing Complete

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No. 11776/54

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### COMPLETE SPECIFICATION

#### "Improvements in or relating to Sanitary Napkins".

I, EDUARD NEUMANN, a German Citizen, of Bergstr. 1 Heroldsberg, near Nuernberg, Germany, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to a novel sanitary napkin for female use during menstruation.

10 The conventional form of sanitary napkin, namely one covering the external parts of the female organ, possesses several disadvantages. It cannot be used without some form of belt or other supporting means, it frequently causes soreness of the inside parts of the thighs and this latter effect is enhanced by the drying and hardening of the secretions absorbed, and soiling of undergarments is difficult to avoid.

20 There have latterly been proposed means of securing internal protection by the use of a tampon. There are medical reasons why the use of tampons are, in many cases undesirable; e.g. (1) swelling of the tampon within the vagina gives rise to discomfort owing to pressure and, (2) the insertion of what is, in effect, a foreign body into the vagina, causes the bacteriocidal properties of the vaginal fluid to be rendered at least partially ineffective with consequent increase of the dangers of infection.

35 The object of the present invention is to provide a new form of sanitary protection in which the above mentioned disadvantages are completely or substantially eliminated.

40 According to the invention, therefore, there is provided a sanitary napkin comprising a flat oblong absorbing element of cotton, cellulose or other absorbent material covered by a wrapping of gauze or the like and having a ribbonlike formation at one end, the length, width and thickness of the napkin being such that it fits between the outer and inner lips of the vulva and covers the entry to the vagina and the marginal por-

tion thereof, the napkin being retained in position by the natural gripping action of the muscles of the outer lips of the vulva.

The wrapper may consist of a "string hose" made of gauze, bandage material or the like, rayon or silk mesh or any other suitable material, terminating in, for example, a ribbon like end.

In order that the invention may be more readily understood, an embodiment thereof will now be described with reference to the accompanying drawings, in which:—

Fig. 1 shows a plan view of one form of device;

Fig. 2 shows a side view of the device of Fig. 1;

Fig. 3 shows a diagrammatic view of the device in position; and

Fig. 4 shows a cross section of the device in position.

Referring to Figs. 1 to 4, A is the absorbing part of the napkin and B shows the ribbon like end of the gauze wrapper enclosing the said absorbing part. The absorbing part A is of such width and length that it not only covers the vaginal aperture but also extends around this aperture. If the device is placed in position between the large and small labiae, the part of the device outside of the line C (Fig. 3) is covered by the large outer lips of the vulva, while the part of the device inside C covers the entry of the vagina D (Fig. 4). Line C in Fig. 3, therefore, diagrammatically indicates the boundary line of the outer lips of the vulva.

The advantages of the device according to the invention are that crusting of the absorbed secretions cannot take place because the outer air is completely shut off thus eliminating soreness by friction and no pressure troubles can arise.

What I claim is:—

1. A sanitary napkin comprising a flat oblong absorbing element of cotton, cellulose or other absorbent material covered by a

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wrapping of gauze or the like and having a ribbon like formation at one end, the length, width and thickness of the napkin being such that it fits between the outer and  
5 inner lips of the vulva and covers the entry to the vagina and the marginal portion thereof, the napkin being retained in posi-

tion by the natural gripping action of the muscles of the outer lips of the vulva.

2. A sanitary napkin substantially as 10 herein described and as illustrated in the accompanying drawings.

EDUARD NEUMANN.

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COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of  
the Original on a reduced scale.

FIG. 1.

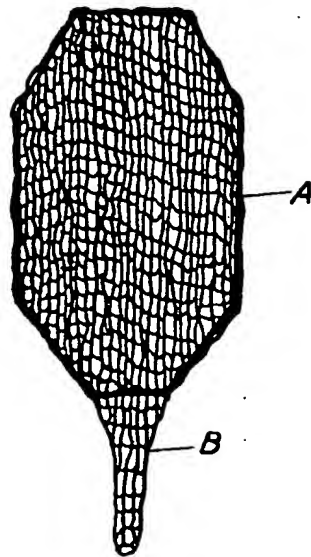


FIG. 2.



FIG. 3.

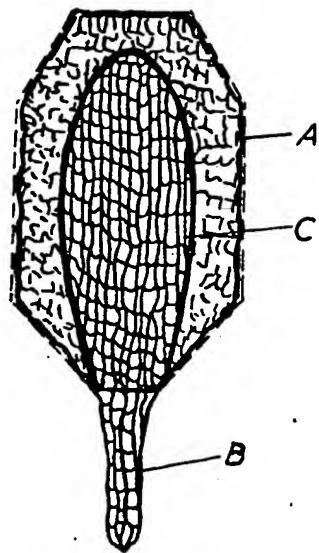
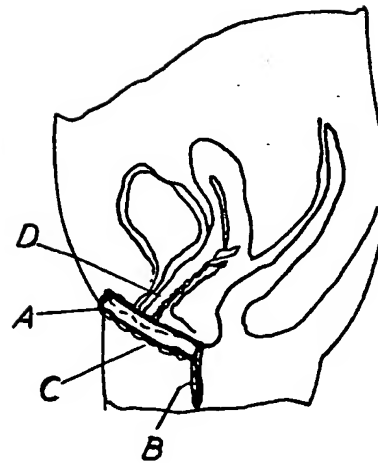


FIG. 4.



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